

## Freeform Search

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
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 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Term:

L5 and @ad&lt;20010928

Display:  Documents in Display Format:  Starting with Number Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

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Interrupt

### Search History

DATE: Tuesday, December 21, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L6</u>	L5 and @ad<20010928	118	<u>L6</u>
<u>L5</u>	(L4 or l3) same ((record\$4 or information) near4 (layer\$1 or film\$1))	156	<u>L5</u>
<u>L4</u>	(sputter\$4 same ((250 or 300 or 350 or 400 or 450 or 500 or 550 or 600 or 650 or 700 or 750 or 800 or 850) near5 (W or watt\$1)))	3297	<u>L4</u>
<u>L3</u>	(sputter\$4 same ((0.2\$1 or 0.3\$1 or 0.4\$1 or 0.5\$1 or 0.6\$1 or 0.7\$1 or 0.8\$1) near5 (kw or kilowatt\$1)))	613	<u>L3</u>
<i>DB=JPAB; PLUR=YES; OP=OR</i>			
<u>L2</u>	JP-11254833-A.did.	1	<u>L2</u>
<i>DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L1</u>	6177167.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

lump, pulverizing the lump, and then sintering the resulting particles; Sb may optionally be added to the particles prior to the sintering.

Phase-change type \*\*\*optical\*\*\* recording \*\*\*medium\*\*\* includes a recording layer contg. as constituent elements Ag, In, Te, and Sb with the resp. at. percent of .alpha., .beta., .gamma., and .delta. thereof being in the relationship of  $0 < .\alpha. \leq 30$ ,  $0 < .\beta. \leq 30$ ,  $10 \leq .\gamma. \leq 50$ ,  $10 \leq .\delta. \leq 80$ , and  $.\alpha. + .\beta. + .\gamma. + .\delta. = 100$ , and is capable of recording and erasing information by utilizing the phase changes of a recording material in the recording layer. Methods of fabricating the above phase-change type \*\*\*optical\*\*\* recording \*\*\*medium\*\*\* entail sputtering the above targets to produce a recording film.

ST sputtering target antimony indium silver tellurium; optical recording antimony indium silver tellurium; recording medium antimony indium silver tellurium

IT Recording apparatus  
Recording materials  
(optical, antimony-indium-silver-tellurium sputtering targets and their prepn. and \*\*\*optical\*\*\* recording \*\*\*media\*\*\* fabricated using the targets)

IT Sputtering  
(targets, antimony-indium-silver-tellurium sputtering targets and their prepn. and \*\*\*optical\*\*\* recording \*\*\*media\*\*\* fabricated using the targets)

IT 7440-36-0, Antimony, processes 12002-77-6, Silver indium telluride (AgInTe<sub>2</sub>) 179867-27-7 179867-28-8 179867-29-9 179867-30-2  
179867-31-3 179867-32-4 179867-33-5 179867-34-6 179867-35-7  
179867-36-8 179867-37-9 179867-38-0 179867-39-1 179867-40-4  
179867-41-5 \*\*\*179867-42-6\*\*\* \*\*\*179867-43-7\*\*\*  
\*\*\*179867-44-8\*\*\* 179867-46-0 179867-47-1

RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)  
(optical recording material; antimony-indium-silver-tellurium sputtering targets and their prepn. and \*\*\*optical\*\*\* recording \*\*\*media\*\*\* fabricated using the targets)

IT 151060-26-3 179867-13-1 179867-14-2 179867-15-3 179867-16-4  
179867-17-5 179867-18-6 179867-19-7 179867-20-0 179867-21-1  
179867-22-2 179867-23-3 179867-24-4 179867-25-5 179867-26-6  
179867-45-9

RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)  
(sputtering target; antimony-indium-silver-tellurium sputtering targets and their prepn. and \*\*\*optical\*\*\* recording \*\*\*media\*\*\* fabricated using the targets)

=> d his

(FILE 'HOME' ENTERED AT 17:22:56 ON 21 DEC 2004)

FILE 'REGISTRY' ENTERED AT 17:23:09 ON 21 DEC 2004

L1 5846 S GE 0.1-7/MAC  
L2 4718 S GA 1-9/MAC  
L3 1864 S SB 61-75/MAC  
L4 1305 S TE 22-30/MAC  
L5 49 S L1 AND L2 AND L3 AND L4  
L6 11740 S AG 0.1-7/MAC  
L7 6994 S IN 1-9/MAC  
L8 307 S L6 AND L7 AND L3 AND L4  
L9 13260 S AG 0.1-10/MAC

FILE 'CAPLUS' ENTERED AT 17:27:43 ON 21 DEC 2004

L10 129 S L8  
L11 114 S L10 AND ((OPTICAL OR LASER OR INFORMATION)(5A)(MEDIUM OR MEDI

FILE 'REGISTRY' ENTERED AT 17:29:58 ON 21 DEC 2004

L12 134 S (B/MAC OR AL/MAC OR TL/MAC OR C/MAC OR SI/MAC OR GE/MAC OR SN

FILE 'CAPLUS' ENTERED AT 17:31:35 ON 21 DEC 2004

L13 1452 S L1`2  
L14 61 S L12  
L15 54 S L14 AND ((OPTICAL OR LASER OR INFORMATION)(5A)(MEDIUM OR MEDI

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

171.26

820.81

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

CA SUBSCRIBER PRICE

ENTRY  
-37.80

SESSION  
-149.94

STN INTERNATIONAL LOGOFF AT 17:32:20 ON 21 DEC 2004